

COMPOSITE FINGER FLEXION GLOVE

Abstract: The present invention relates to a finger rehabilitation device that applies composite finger flexion forces to the fingers of a human hand for the purpose of achieving improved hand function. The glove portion of the device is worn on a human hand and has means for securable attachment to the hand. The glove has attachment tabs at its fingertips for removable attachment to a crossbar that may be rotated around its longitudinal axis to apply forces of bending to each of the selected fingers. The rotational force of the crossbar is generated by an outrigger that may be manually positioned as desired. The orientation of the outrigger in reference to the longitudinal axis of the crossbar may be selectively fixed at one end of the crossbar, providing ease of force adjustment while the device is worn. The selected outrigger position is further maintained by an elastic or non-elastic attachment to the wearer's wrist.